

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A method for image transmission, said method comprising the acts of:  
  
hosting an image file on a server, wherein said image file comprises integral data units (IDUs) organized to enable image characteristic scalability;  
  
transmitting to a client a first set of said IDUs, wherein said first set of said IDUs form a representation of said image;~~a representative part of said image file to a client;~~  
  
receiving at said server a selection of a customization of said image file; based on said representation of said image;~~representative part, through a client interface on said client;~~  
  
~~transmitting said customization selection from said client to said server;~~  
  
parsing said image file on said server to determine an additional parts set of said IDUs of said image file that may be combined with said initial set of said IDUs to ~~representative part to~~ form said customization; and  
  
transmitting said additional set of said IDUs ~~parts of said image file~~ to said client; wherein said additional set of said IDUs does not comprise said first set of said IDUs;~~representative part is only sent once during said transmitting a representative part and said additional parts do not comprise image data already sent in said representative part.~~

2. (currently amended) The method of claim 1 wherein said ~~representative part of~~ representation of said image ~~file~~ is a low-resolution version of said image.
3. (canceled)
4. (currently amended) The method of claim 1 wherein said ~~selecting a~~ customization selection comprises a selection from ~~selecting data from~~ the group consisting of quality customization~~data~~, scalability customization~~data~~, resolution customization~~data~~ and region-of-interest (ROI) customization~~data~~.
5. (canceled)
6. (original) The method of claim 1 wherein said image file is a JPEG 2000 file.
7. (original) The method of claim 1 wherein said transmitting uses an HTTP transmission protocol.
8. (currently amended) The method of claim 1 wherein said ~~selecting a~~ customization selection ~~of said image~~ comprises ~~selecting~~ an image resolution below the maximum resolution available for said image.
9. (currently amended) The method of claim 1 wherein said transmitting said

additional ~~parts set of IDUs of said image file~~ comprises streaming said additional ~~parts set of IDUs~~ of said image file to said client.

10. (currently amended) The method of claim 1 wherein the size of said first set of IDUs ~~representative part~~ is relative to the bandwidth of the connection between said server and said client ~~interface~~.
11. (currently amended) The method of claim 1 wherein said first set of IDUs ~~representative part~~ comprises metadata comprising data selected from the group consisting of image quality data, scalability data, resolution data and ROI data.
12. (original) The method of claim 1 wherein said client caches data received from said server.
13. (currently amended) A method for interactive customized image transmission, said method comprising the acts of:  
  
hosting an image file on a server, wherein said image file comprises integral data units (IDUs) organized to enable image characteristic scalability;  
  
parsing said image file to obtain a first set of said IDUs, wherein said first set of said IDUs form a representation of said image ~~initial file parts of said image file;~~  
  
transmitting said first set of said IDUs ~~initial file parts of said image file~~ to a client;

receiving a customization selection of said image file, based on said ~~initial file~~  
~~parts~~ first set of said IDUs;  
parsing said image file at said server to determine an additional set of said  
IDUs~~parts of said image file~~ that may be combined with said initial set of  
said IDUs ~~file parts~~ to generate said customization; and  
transmitting said additional set of said IDUs ~~parts of said image file~~ to said client  
for combination with said initial set of said IDUs ~~file parts~~ without  
retransmitting said initial set of said IDUs~~file parts~~.

14. (canceled)
15. (currently amended) The method of claim 13 wherein said customization selection~~selecting a customized version of said image~~ comprises ~~selecting~~ an image resolution below the maximum resolution available for said image.
16. (currently amended) The method of claim 13 wherein said customization selection~~selecting a customized version of said image~~ comprises ~~selecting~~ quality scalability.
17. (currently amended) The method of claim 13 wherein said ~~selecting a customization of said image~~ comprises ~~selecting~~ customization selection comprises a selected region of interest on said image.

18. (original) The method of claim 13 wherein said image file is a JPEG 2000 image file.
19. (original) The method of claim 13 wherein said transmitting employs a HTTP transmission protocol.
20. (canceled)
21. (currently amended) An image server enabling interactive customized image transmission, said server comprising:
  - storage for storing at least one image file, wherein said at least one image file comprises integral data units (IDUs) organized to enable image characteristic scalability;
  - a sender for sending an integral, representative part of said at least one image file, said integral, representative part of said at least one image file comprising an initial set of said IDUs;
  - a receiver for receiving requests from a client for a customized version of said at least one image file;
  - a parser for parsing said image file and determining an additional set of said IDUs ~~parts of said image file are~~ required to combine with said initial set of said IDUs ~~representative part~~ to render said customized versions of said at least one image file; and
  - a sender for sending said additional set of said IDUs ~~parts of said image~~ to said

client without retransmission of said initial set of said IDUs ~~representative part~~.

22. (canceled)

23. (canceled)

24. (currently amended) A method for interactive customized image transmission, said method comprising the acts of:

hosting an image file on a server, wherein said image file is divided into tile parts  
and said image file comprises integral data units (IDUs) organized to enable image characteristic scalability;

transmitting an initial set of said IDUs to a recipient, wherein said initial set of said IDUs form a representation ~~representative part~~ of said image file ~~to a recipient;~~

receiving a request for a customized version of said image stored in said image file;

parsing at least one of a main image file header and a tile-part header to obtain an additional set of said IDUs ~~file parts~~ that may be combined with said initial set of said IDUs ~~representative part~~ to form said customized version of said image;

transmitting said additional set of said IDUs ~~file parts~~ to said recipient for  
combination with said initial set of said IDUs ~~file parts~~ without  
retransmitting said initial set of said IDUs ~~file parts~~.

25. (previously presented) The method of claim 24 wherein said receiving a request  
comprises receiving at least one of an HTTP Post and an HTTP Get request.